FIGURE 1A.   IAP20 Rec'd PCT/PTO 17 MAY 2006

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 5   ATGTCACTGA AAAACGAGCC ACGGGTAAAT ACCTCTGCAC TGCAGAAAAT TGCTGCTGAC ATGAGTAATA 70

     TCATAGAAAA TCTGGACACG CGGGAACTCC ACTTTGAGGG AGAGGAGGTA GACTACGACG TGTCTCCCAG 140

     CGATCCCAAG ATACAAGAAG TGTATATCCC TTTCTCTGCT ATTTATAACA CTCAAGGATT TAAGGAGCCT 210

10   AATATACAGA CGTATCTCTC CGGCTGTCCA ATAAAAGCAC AAGTTCTGGA AGTGGAACGC TTCACATCTA 280

     CAACAAGGGT ACCAAGTATT AATCTTTACA CTATTGAATT AACACATGGG GAATTTAAAT GGCAAGTTAA 350

     GAGGAAATTC AAGCATTTTC AAGAATTTCA CAGAGAGCTG CTCAAGTACA AAGCCTTTAT CCGCATCCCC 420

15   ATTCCCACTA GAAGACACAC GTTTAGGAGG CAAAACGTCA GAGAGGAGCC TCGAGAGATG CCCAGTTTGC 490

     CCCGTTCATC TGAAAACATG ATAAGAGAAG AACAATTCCT TGGTAGAAGA AAACAACTGG AAGATTACTT 560

20   GACAAAGATA CTAAAAATGC CCATGTATAG AAACTATCAT GCCACAACAG AGTTTCTTGA TATAAGCCAG 630

     CTGTCTTTCA TCCATGATTT GGGACCAAAG GGCATAGAAG GTATGATAAT GAAAAGATCT GGAGGACACA 700

     GAATACCAGG CTTGAATTGC TGTGGTCAGG GAAGAGCCTG CTACAGATGG TCAAAAAGAT GGTTAATAGT 770

25   GAAAGATTCC TTTTTATTGT ATATGAAACC AGACAGCGGG GCCATTGCCT TCGTCCTGCT GGTAGACAAA 840

     GAATTCAAAA TTAAGGTGGG GAAGAAGGAG ACAGAAACGA AATATGGAAT CCGAATTGAT AATCTTTCAA 910

     GGACACTTAT TTTAAAATGC AACAGCTATA GACATGCTCG GTGGTGGGGA GGGGCTATAG AAGAATTCAT 980

30   CCAGAAACAT GGCACCAACT TTCTCAAAGA TCATCGATTT GGGTCATATG CTGCTATCCA AGAGAATGCT 1050

     TTAGCTAAAT GGTATGTTAA TGCCAAAGGA TATTTTGAAG ATGTGGCAAA TGCAATGGAA GAGGCAAATG 1120

35   AAGAGATTTT TATCACAGAC TGGTGGCTGA GTCCAGAAAT CTTCCTGAAA CGCCCAGTGG TTGAGGGAAA 1190

     TCGTTGGAGG TTGGACTGCA TTCTTAAACG AAAAGCACAA CAAGGAGTGA GGATCTTCAT AATGCTCTAC 1260

40   AAAGAGGTGG AACTCGCTCT TGGCATCAAT AGTGAATACA CCAAGAGGAC TTTGATGCGT CTACATCCCA 1330

     ACATAAAGGT GATGAGACAC CCGGATCATG TGTCATCCAC CGTCTATTTG TGGGCTCACC ATGAGAAGCT 1400

     TGTCATCATT GACCAATCGG TGGCCTTTGT GGGAGGGATT GACCTGGCCT ATGGAAGGTG GGACGACAAT 1470

45   GAGCACAGAC TCACAGACGT GGGCAGTGTG AAGCGGGTCA CTTCAGGACC GTCTCTGGGT TCCCTCCCAC 1540

     CTGCCGCAAT GGAGTCTATG AATCCTTAA GACTCAAAGA TAAAAATGAG CCTGTTCAAA ACCTACCCAT 1610

50   CCAGAAGAGT ATTGATGATG TGGATTCAAA ACTGAAAGGA ATAGGAAAGC CAAGAAAGTT CTCCAAATTT 1680

     AGTCTCTACA AGCAGCTCCA CAGGCACCAC CTGCACGACG CAGATAGCAT CAGCAGCATT GACAGCACCT 1750

55   CCAGTTATTT TAATCACTAT AGAAGTCATC ACAATTTAAT CCATGGTTTA AAACCCCACT TCAAACTCTT 1820

     TCACCCGTCC AGTGAGTCTG AGCAAGGACT CACTAGACCT CATGCTGATA CCGGGTCCAT CCGTAGTTTA 1890

     CAGACAGGTG TGGGAGAGCT GCATGGGGAA ACCAGATTCT GGCATGGAAA GGACTACTGC AATTTCGTCT 1960

60   TCAAAGACTG GGTTCAACTT GATAAACCTT TTGCTGATTT CATTGACAGG TACTCCACGC CCCGGATGCC 2030

     CTGGCATGAC ATTGCCTCTG CAGTCCACGG GAAGGCGGCT CGTGATGTGG CACGTCACTT CATCCAGCGC 2100

65   TGGAACTTCA CAAAAATTAT GAAATCAAAA TATCGGTCCC TTTCTTATCC TTTTCTGCTT CCAAAGTCTC 2170

     AAACAACAGC CCATGAGTTG AGATATCAAG TGCCTGGGTC TGTCCATGCT AACGTACAGT TGCTCCGCTC 2240

     TGCTGCTGAT TGGTCTGCTG GTATAAAGTA CCATGAAGAG TCCATCCACG CCGCTTACGT CCATGTGATA 2310

70   GAGAACAGCA GGCACTATAT CTATATCGAA AACCAGTTTT TCATAAGCTG TGCTGATGAC AAAGTTGTGT 2380
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FIGURE 1B.

```
TCAACAAGAT AGGCGATGCC ATTGCCCAGA GGATCCTGAA AGCTCACAGG GAAAACCAGA AATACCGGGT 2450

ATATGTCGTG ATACCACTTC TGCCAGGGTT CGAAGGAGAC ATTTCAACCG GCGGAGGAAA TGCTCTACAG 2520

GCAATCATGC ACTTCAACTA CAGAACCATG TGCAGAGGAG AAAATTCCAT CCTTGGACAG TTAAAAGCAG 2590

AGCTTGGTAA TCAGTGGATA AATTACATAT CATTCTGTGG TCTTAGAACA CATGCAGAGC TCGAAGGAAA 2660

CCTAGTAACT GAGCTTATCT ATGTCCACAG CAAGTTGTTA ATTGCTGATG ATAACACTGT TATTATTGGC 2730

TCTGCCAACA TAAATGACCG CAGCATGCTG GGAAAGCGTG ACAGTGAAAT GGCTGTCATT GTGCAAGATA 2800

CAGAGACTGT TCCTTCAGTA ATGGATGGAA AAGAGTACCA AGCTGGCCGG TTTGCCCGAG GACTTCGGCT 2870

ACAGTGCTTT AGGGTTGTCC TTGGCTATCT TGATGACCCA AGTGAGGACA TTCAGGATCC AGTGAGTGAC 2940

AAATTCTTCA AGGAGGTGTG GGTTTCAACA GCAGCTCGAA ATGCTACAAT TTATGACAAG GTTTTCCGGT 3010

GCCTTCCCAA TGATGAAGTA CACAATTTAA TTCAGCTGAG AGACTTTATA AACAAGCCCG TATTAGCTAA 3080

GGAAGATCCC ATTCGAGCTG AGGAGGAACT GAAGAAGATC CGTGGATTTT TGGTGCAATT CCCCTTTTAT 3150

TTCTTGTCTG AAGAAAGCCT ACTGCCTTCT GTTGGGACCA AAGAGGCCAT AGTGCCCATG GAGGTTTGGA 3220

CTTAA 3225
```

FIGURE 2.

```
MSLKNEPRVN TSALQKIAAD MSNIIENLDT RELHFEGEEV DYDVSPSDPK IQEVYIPFSA IYNTQGFKEP 70

NIQTYLSGCP IKAQVLEVER FTSTTRVPSI NLYTIELTHG EFKWQVKRKF KHFQEFHREL LKYKAFIRIP 140

IPTRRHTFRR QNVREEPREM PSLPRSSENM IREEQFLGRR KQLEDYLTKI LKMPMYRNYH ATTEFLDISQ 210

LSFIHDLGPK GIEGMIMKRS GGHRIPGLNC CGQGRACYRW SKRWLIVKDS FLLYMKPDSG AIAFVLLVDK 280

EFKIKVGKKE TETKYGIRID NLSRTLILKC NSYRHARWWG GAIEEFIQKH GTNFLKDHRF GSYAAIQENA 350

LAKWYVNAKG YFEDVANAME EANEEIFITD WWLSPEIFLK RPVVEGNRWR LDCILKRKAQ QGVRIFIMLY 420

KEVELALGIN SEYTKRTLMR LHPNIKVMRH PDHVSSTVYL WAHHEKLVII DQSVAFVGGI DLAYGRWDDN 490

EHRLTDVGSV KRVTSGPSLG SLPPAAMESM ESLRLKDKNE PVQNLPIQKS IDDVDSKLKG IGKPRKFSKF 560

SLYKQLHRHH LHDADSISSI DSTSSYFNHY RSHHNLIHGL KPHFKLFHPS SESEQGLTRP HADTGSIRSL 630

QTGVGELHGE TRFWHGKDYC NFVFKDWVQL DKPFADFIDR YSTPRMPWHD IASAVHGKAA RDVARHFIQR 700

WNFTKIMKSK YRSLSYPFLL PKSQTTAHEL RYQVPGSVHA NVQLLRSAAD WSAGIKYHEE SIHAAYVHVI 770

ENSRHYIYIE NQFFISCADD KVVFNKIGDA IAQRILKAHR ENQKYRVYVV IPLLPGFEGD ISTGGGNALQ 840

AIMHFNYRTM CRGENSILGQ LKAELGNQWI NYISFCGLRT HABLEGNLVT ELIYVHSKLL IADDNTVIIG 910

SANINDRSML GKRDSEMAVI VQDTETVPSV MDGKEYQAGR FARGLRLQCF RVVLGYLDDP SEDIQDPVSD 980

KFFKEVWVST AARNATIYDK VFRCLPNDEV HNLIQLRDFI NKPVLAKEDP IRAEEELKKI RGFLVQFPFY 1050

FLSEESLLPS VGTKEAIVPM EVWT 1074
```

FIGURE 3A.

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ATGACGGCGA CCCCTGAGAG CCTCTTCCCC ACTGGGGACG AACTGGACTC CAGCCAGCTC CAGATGGAGT 70

CCGATGAGGT GGACACCCTG AAGGAGGGAG AGGACCCAGC CGACCGGATG CACCCGTTTC TGGCCATCTA 140

TGAGCTTCAG TCTCTGAAAG TGCACCCCTT GGTGTTCGCA CCTGGGGTCC CTGTCACAGC CCAGGTGGTG 210

GGCACCGAAA GATATACCAG CGGATCCAAG GTGGGAACCT GCACTCTGTA TTCTGTCCGC TTGACTCACG 280

GCGACTTTTC CTGGACAACC AAGAAGAAAT ACCGTCATTT TCAGGAGCTG CATCGGGACC TCCTGAGACA 350

CAAAGTCTTG ATGAGTCTGC TCCCTCTGGC TCGATTTGCC GTTGCCTATT CTCCAGCCCG AGATGCAGGC 420

AACAGAGAGA TGCCCTCTCT ACCCCGGGCA GGTCCTGAGG GCTCCACCAG ACATGCAGCC AGCAAACAGA 490

AATACCTGGA GAATTACCTC AACTGTCTCT TGACCATGTC TTTCTATCGC AACTACCATG CCATGACAGA 560

GTTCCTGGAA GTCAGTCAGC TGTCCTTTAT CCCGGACTTG GGCCGCAAAG GACTGGAGGG GATGATCCGG 630

AAGCGCTCAG GTGGCCACCG TGTTCCTGGC CTCACCTGCT GTGGCCGAGA CCAAGTTTGT TATCGCTGGT 700

CCAAGAGGTG GCTGGTGGTG AAGGACTCCT TCCTGCTGTA CATGTGCCTC GAGACAGGTG CCATCTCATT 770

TGTTCAGCTC TTTGACCCTG GCTTTGAGGT GCAAGTGGGG AAAAGGAGCA CGGAGGCACG GCACGGCGTG 840

CGGATCGATA CCTCCCACAG GTCCTTGATT CTCAAGTGCA GCAGCTACCG GCAGGCACGG TGGTGGGCCC 910

AAGAGATCAC TGAGCTGGCA CAGGGCCCAG GCAGAGACTT CCTACAGCTG CACCGGCATG ACAGCTACGC 980

CCCACCCCGG CCTGGGACCT TGGCCCGGTG GTTTGTGAAT GGGGCAGGTT ACTTTGCTGC TGTGGCAGAT 1050

GCCATCCTTC GAGCTCAAGA GGAGATTTTC ATCACAGACT GGTGGTTGAG TCCTGAGGTT TACCTGAAGC 1120

GTCCGGCCCA TTCAGATGAC TGGAGACTGG ACATTATGCT CAAGAGGAAG GCGGAGGAAG GTGTCCGTGT 1190

GTCTATTCTG CTGTTTAAAG AAGTGGAATT GGCCTTGGGC ATCAACAGTG CTATAGCAA GAGGGCGCTG 1260

ATGCTGCTGC ACCCCAACAT AAAGGTGATG CGTCACCCAG ACCAAGTGAC GTTGTGGGCC CATCATGAGA 1330

AGCTCCTGGT GGTGGACCAA GTGGTAGCAT TCCTGGGGGG ACTGGACCTT GCCTATGGCC GCTGGGATGA 1400

CCTGCACTAC CGACTGACTG ACCTTGGAGA CTCCTCTGAA TCAGCTGCCT CCCAGCCTCC CACCCCGCGC 1470

CCAGACTCAC CAGCCACCCC AGACCTCTCT CACAACCAAT TCTTCTGGCT GGGCAAGGAC TACAGCAATC 1540

TTATCACCAA GGACTGGGTG CAGCTGGACC GGCCTTTCGA AGATTTCATT GACAGGGAGA CGACCCCTCG 1610

GATGCCATGG CGGGACGTTG GGGTGGTCGT CCATGGCCTA CCGGCCCGGG ACCTTGCCCG GCACTTCATC 1680

CAGCGCTGGA ACTTCACCAA GACCACCAAG GCCAAGTACA AGACTCCCAT ATACCCCTAC CTGCTTCCCA 1750

AGTCTACCAG CACGGCCAAT CAGCTCCCCT TCACACTTCC AGGAGGGCAG TGCACCACCG TACAGGTCTT 1820

GCGATCAGTG GACCGCTGGT CAGCAGGGAC TCTGGAGAAC TCCATCCTCA ATGCCTACCT GCACACCATC 1890

AGGGAGAGCC AGCACTTCCT CTACATTGAG AATCAGTTCT TCATTAGCTG CTCAGATGGG CGGACGGTTC 1960

TGAACAAGGT GGGCGATGAG ATTGTGGACA GAATCCTGAA GGCCCACAAA CAGGGGTGGT GTTACCGAGT 2030

CTACGTGCTT TTGCCCTTAC TCCCTGGCTT CGAGGGTGAC ATCTCCACGG GCGGTGGCAA CTCCATCCAG 2100

GCCATTCTGC ACTTTACTTA CAGGACCCTG TGTCGTGGGG AGTATTCAAT CCTGCATCGC CTTAAAGCAG 2170

CCATGGGGAC AGCATGGCGG GACTATATTT CCATCTGCGG GCTTCGTACA CACGGAGAGC TGGGCGGGCA 2240

CCCCGTCTCG GAGCTCATCT ACATCCACAG CAAGGTGCTC ATCGCAGATG ACCGGACAGT CATCATTGGT 2310

TCTGCAAACA TCAATGACCG GAGCTTGCTG GGGAAGCGGG ACAGTGAGCT GGCCGTGCTG ATCGAGGACA 2380

CAGAGACGGA ACCATCCCTC ATGAATGGGG CAGAGTATCA GGCGGGCAGG TTTGCCTTGA GTCTGCGGAA 2450

GCACTGCTTC GGTGTGATTC TTGGAGCAAA TACCCGGCCA GACTTGGATC CCGAGACCCC CATCTGTGAT 2520
```

FIGURE 3B.

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5

GACTTCTTCC AGTTGTGGCA AGACATGGCT GAGAGCAACG CCAATATCTA TGAGCAGATC TTCCGCTGCC 2590

TGCCATCCAA TGCCACGCGT TCCCTGCGGA CTCTCCGGGA GTACGTGGCC GTGGAGCCCT TGGCCACGGT 2660

CAGTCCCCCC TTGGCTCGGT CTGAGCTCAC CCAGGTCCAG GGCCACCTGG TCCACTTCCC CCTCAAGTTC 2730

10

CTAGAGGATG AGTCTTTGCT GCCCCCGCTG GGTAGCAAGG AGGGCATGAT CCCCCTAGAA GTGTGGACAT 2800

AG 2802

15
</div>

FIGURE 4.

```
5    MTATPESLFP TGDELDSSQL QMESDEVDTL KEGEDPADRM HPFLAIYELQ SLKVHPLVFA PGVPVTAQVV 70

     GTERYTSGSK VGTCTLYSVR LTHGDFSWTT KKKYRHFQEL HRDLLRHKVL MSLLPLARFA VAYSPARDAG 140

10   NREMPSLPRA GPEGSTRHAA SKQKYLENYL NCLLTMSFYR NYHAMTEFLE VSQLSFIPDL GRKGLEGMIR 210

     KRSGGHRVPG LTCCGRDQVC YRWSKRWLVV KDSFLLYMCL ETGAISFVQL FDPGFEVQVG KRSTEARHGV 280

     RIDTSHRSLI LKCSSYRQAR WWAQEITELA QGPGRDFLQL HRHDSYAPPR PGTLARWFVN GAGYFAAVAD 350

15   AILRAQEEIF ITDWWLSPEV YLKRPAHSDD WRLDIMLKRK AEEGVRVSIL LFKEVELALG INSGYSKRAL 420

     MLLHPNIKVM RHPDQVTLWA HHEKLLVVDQ VVAFLGGLDL AYGRWDDLHY RLTDLGDSSE SAASQPPTPR 490

20   PDSPATPDLS HNQFFWLGKD YSNLITKDWV QLDRPFEDFI DRETTPRMPW RDVGVVVHGL PARDLARHFI 560

     QRWNFTKTTK AKYKTPIYPY LLPKSTSTAN QLPFTLPGGQ CTTVQVLRSV DRWSAGTLEN SILNAYLHTI 630

     RESQHFLYIE NQFFISCSDG RTVLNKVGDE IVDRILKAHK QGWCYRVYVL LPLLPGFEGD ISTGGGNSIQ 700

25   AILHFTYRTL CRGEYSILHR LKAAMGTAWR DYISICGLRT HGELGGHPVS ELIYIHSKVL IADDRTVIIG 770

     SANINDRSLL GKRDSELAVL IEDTETEPSL MNGAEYQAGR FALSLRKHCF GVILGANTRP DLDLRDPICD 840

30   DFFQLWQDMA ESNANIYEQI FRCLPSNATR SLRTLREYVA VEPLATVSPP LARSELTQVQ GHLVHFPLKF 910

     LEDESLLPPL GSKEGMIPLE VWT 933
```

FIGURE 5.

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ATGAAGCCTA AACTGATGTA CCAGGAGCTG AAGGTGCCTG CAGAGGAGCC CGCCAATGAG CTGCCCATGA 70

ATGAGATTGA GGCGTGGAAG GCTGCGGAAA AGAAAGCCCG CTGGGTCCTG CTGGTCCTCA TTCTGGCGGT 140

TGTGGGCTTC GGAGCCCTGA TGACTCAGCT GTTTCTATGG GAATACGGCG ACTTGCATCT CTTTGGGCCC 210

AACCAGCGCC CAGCCCCCTG CTATGACCCT TGCGAAGCAG TGCTGGTGGA AAGCATTCCT GAGGGCCTGG 280

ACTTCCCCAA TGCCTCCACG GGGAACCCTT CCACCAGCCA GGCCTGGCTG GGCCTGCTCG CCGGTGCGCA 350

CAGCAGCCTG GACATCGCCT CCTTCTACTG GACCCTCACC AACAATGACA CCCACACGCA GGAGCCCTCT 420

GCCCAGCAGG GTGAGGAGGT CCTCCGGCAG CTGCAGACCC TGGCACCAAA GGGCGTGAAC GTCCGCATCG 490

CTGTGAGCAA GCCCAGCGGG CCCCAGCCAC AGGCGGACCT GCAGGCTCTG CTGCAGAGCG GTGCCCAGGT 560

CCGCATGGTG GACATGCAGA AGCTGACCCA TGGCGTCCTG CATACCAAGT TCTGGGTGGT GGACCAGACC 630

CACTTCTACC TGGGCAGTGC CAACATGGAC TGGCGTTCAC TGACCCAGGT CAAGGAGCTG GGCGTGGTCA 700

TGTACAACTG CAGCTGCCTG GCTCGAGACC TGACCAAGAT CTTTGAGGCC TACTGGTTCC TGGGCCAGGC 770

AGGCAGCTCC ATCCCATCAA CTTGGCCCCG GTTCTATGAC ACCCGCTACA ACCAAGAGAC ACCAATGGAG 840

ATCTGCCTCA ATGGAACCCC TGCTCTGGCC TACCTGGCGA GTGCGCCCCC ACCCCTGTGT CCAAGTGGCC 910

GCACTCCAGA CCTGAAGGCT CTACTCAACG TGGTGGACAA TGCCCGGAGT TTCATCTACG TCGCTGTCAT 980

GAACTACCTG CCCACTCTGG AGTTCTCCCA CCCTCACAGG TTCTGGCCTG CCATTGACGA TGGGCTGCGG 1050

CGGGCCACCT ACGAGCGTGG CGTCAAGGTG CGCCTGCTCA TCAGCTGCTG GGGACACTCG GAGCCATCCA 1120

TGCGGGCCTT CCTGCTCTCT CTGGCTGCCC TGCGTGACAA CCATACCCAC TCTGACATCC AGGTGAAACT 1190

CTTTGTGGTC CCCGCGGATG AGGCCCAGGC TCGAATCCCA TATGCCCGTG TCAACCACAA CAAGTACATG 1260

GTGACTGAAC GCGCCACCTA CATCGGAACC TCCAACTGGT CTGGCAACTA CTTCACGGAG ACGGCGGGCA 1330

CCTCGCTGCT GGTGACGCAG AATGGGAGGG GCGGCCTGCG GAGCCAGCTG GAGGCCATTT TCCTGAGGGA 1400

CTGGGACTCC CCTTACAGCC ATGACCTTGA CACCTCAGCT GACAGCGTGG GCAACGCCTG CCGCCTGCTC 1470

TGA 1473
```

FIGURE 6.

```
MKPKLMYQEL KVPAEEPANE LPMNEIEAWK AAEKKARWVL LVLILAVVGF GALMTQLFLW 60
EYGDLHLFGP NQRPAPCYDP CEAVLVESIP EGLDFPNAST GNPSTSQAWL GLLAGAHSSL 120
DIASFYWTLT NNDTHTQEPS AQQGEEVLRQ LQTLAPKGVN VRIAVSKPSG PQPQADLQAL 180
LQSGAQVRMV DMQKLTHGVL HTKFWVVDQT HFYLGSANMD WRSLTQVKEL GVVMYNCSCL 240
ARDLTKIFEA YWFLGQAGSS IPSTWPRFYD TRYNQETPME ICLNGTPALA YLASAPPPLC 300
PSGRTPDLKA LLNVVDNARS FIYVAVMNYL PTLEFSHPHR FWPAIDDGLR RATYERGVKV 360
RLLISCWGHS EPSMRAFLLS LAALRDNHTH SDIQVKLFVV PADEAQARIP YARVNHNKYM 420
VTERATYIGT SNWSGNYFTE TAGTSLLVTQ NGRGGLRSQL EAIFLRDWDS PYSHDLDTSA 480
DSVGNACRLL 490
```

FIGURE 7.

```
ATGAAGCCTA AACTGATGTA CCAGGAGCTG AAGGTTCCTG TTGAGGAACC TGCGGGAGAA CTGCCCATGA 70

ATGAAATCGA GGCATGGAAG GCAGCAGAGA AGAAAGCCCG TTGGGTCCTC CTTGTCCTTA TCCTGGCGGT 140

AGTGGGCTTC GGTGCCCTGA TGACTCAGCT GTTTCTATGG GAATACGGGG ACTTACATCT ATTTGGCCCG 210

AATCAGCACC CAGCCCCCTG CTATGACCCC TGCGAGGCGG TGCTGGTGGA GAGCATTCCC GAGGGGCTGG 280

AGTTTCCCAA TGCCACCACA AGCAACCCCT CCACCAGCCA GGCCTGGTTG GGCCTCCTTG CCGGTGCTCA 350

CAGCAGCCTG GACATCGCGT CCTTCTACTG GACTCTCACA AACAATGATA CCCACACGCA AGAGCCCTCT 420

GCCCAGCAGG GTGAAGAGGT TCTTCAGCAG CTTCAGGCTC TGGCACCTCG AGGTGTAAAG GTTCGCATCG 490

CTGTGAGCAA ACCCAACGGA CCTCTGGCTG ATCTGCAGTC TCTGCTACAG AGTGGTGCCC AGGTGCGCAT 560

GGTGGACATG CAGAAGCTGA CCCATGGTGT CCTGCACACC AAGTTCTGGG TGGTGGACCA GACCCACTTT 630

TACCTGGGCA GTGCCAACAT GGACTGGCGA TCGCTGACCC AGGTCAAGGA GCTGGGCGTG GTCATGTACA 700

ACTGCAGCTG CCTGGCTCGC GACCTCACCA AGATTTTTGA AGCCTATTGG TTCCTGGGCC AGGCAGGCAG 770

CTCCATCCCT TCAACCTGGC CACGGCCCTT TGACACCCGG TACAACCAAG AAACACCGAT GGAGATCTGC 840

CTCAATGGCA CCCCAGCCCT GGCCTACCTG GCGAGTGCAC CCCCGCCACT GTGTCCAGGT GGCCGCACCC 910

CAGACCTGAA GGCACTGCTC AGCGTGGTGG ACAACGCCCG AAGCTTCATC TACATTGCAG TTATGAACTA 980

CCTGCCCACC ATGGAGTTCT CCCATCCACG CAGGTTCTGG CCAGCGATTG ATGATGGGCT AAGACGGGCT 1050

GCGTATGAAC GAGGCGTCAA AGTGCGTTTG CTCATCAGCT GCTGGGGACA CTCCGAGCCA TCCATGCGGT 1120

CCTTCCTGCT CTCCCTGGCT GCCCTTCGTG ACAACCATAC CCACTCTGAC ATCCAGGTGA AACTGTTTGT 1190

GGTCCCTGCG GATGAGGCCC AAGCTCGAAT CCCCTATGCC CGCGTCAACC ACAACAAGTA CATGGTGACT 1260

GAACGCACCA CATACATTGG AACCTCCAAC TGGTCTGGAA GCTACTTCAC AGAGACGGCA GGCACCTCCC 1330

TGCTGGTGAC ACAGAACGGG CACGGTGGCT TGCGCAGCCA GCTGGAGGCT GTTTTCCTGA GAGACTGGGA 1400

ATCCCCATAC AGCCACAACC TTGACACCTC AGCCGACAGT GTGGGCAATG CCTGCCGCCT GCTTTGA 1467
```

FIGURE 8

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5
     MKPKLMYQEL KVPVEEPAGE LPMNEIEAWK AAEKKARWVL LVLILAVVGF GALMTQLFLW EYGDLHLFGP 70

     NQHPAPCYDP CEAVLVESIP EGLEFPNATT SNPSTSQAWL GLLAGAHSSL DIASFYWTLT NNDTHTQEPS 140

10   AQQGEEVLQQ LQALAPRGVK VRIAVSKPNG PLADLQSLLQ SGAQVRMVDM QKLTHGVLHT KFWVVDQTHF 210

     YLGSANMDWR SLTQVKELGV VMYNCSCLAR DLTKIFEAYW FLGQAGSSIP STWPRPFDTR YNQETPMEIC 280

     LNGTPALAYL ASAPPPLCPG GRTPDLKALL SVVDNARSFI YIAVMNYLPT MEFSHPRRFW PAIDDGLRRA 350

15   AYERGVKVRL LISCWGHSEP SMRSFLLSLA ALRDNHTHSD IQVKLFVVPA DEAQARIPYA RVNHNKYMVT 420

     ERTTYIGTSN WSGSYFTETA GTSLLVTQNG HGGLRSQLEA VFLRDWESPY SHNLDTSADS VGNACRLL 488
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